SEQUENCE LISTING

<110> Université Catholique de Louvain

<120> Use of compound or pharmaceutical composition for the
      prevention and/or the treatment of ischemic heart and
      peripheral vascular diseases, tumour development and
      for wound healing

<130> UCL-012-PCT

<140> PCT/EP00/07731
<141> 2000-08-09

<150> 99870171.8
<151> 1999-08-09

<160> 86

<170> PatentIn Ver. 2.1

<210> 1
<211> 537
<212> DNA
<213> Homo sapiens

<400> 1
atgtctgggg gcaaatacgt agactcggag ggacatctct acaccgttcc catccgggaa 60
cagggcaaca tctacaagcc caacaacaag gccatggcag acgagctgag cgagaagcaa 120
gtgtacgacg cgcacaccaa ggagatcgac ctggtcaacc gcgaccctaa acacctcaac 180
gatgacgtgg tcaagattga ctttgaagat gtgattgcag aaccagaagg gacacacagt 240
tttcacggca tttggaaggc cagcttcacc accttcactg tgacgaaata ctggtttttac 300
cgcttgctgt ctgccctctt tggcatcccg atggcactca tctggggcat ttacttcgcc 360
attctctctt tcctgcacat ctgggcagtt gtaccatgca ttaagagctt cctgattgag 420
attcagtgca ccagccgtgt ctattccatc tacgtccaca ccgtctgtga cccactcttt 480
gaagctgttg ggaaaatatt cagcaatgtc cgcatcaact tgcagaaaga aatataa 537

<210> 2
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2
His Gly Ile Trp Lys Ala Ser Phe Thr Thr Phe Thr Val Thr Lys Tyr
 1   5   10   15

Trp Phe Tyr Arg
            20

<210> 3
<211> PRT
<213> Homo sapiens

<400> 3
Lys Ser Phe Leu Ile Glu Ile Gln Cys Thr Ser Arg Val Tyr Ser Ile
1   5   10   15

Tyr Val His Thr Val Cys
            20

<210> 4
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 4
Phe Pro Ala Ala Pro Phe Ser Gly Trp Tyr
1   5   10

<210> 5
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:partial
      antisense sequence of human caveolin-1

<400> 5
gagtctacgt atttgccccc agacatgctg gcccgtggct   40

<210> 6
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 6
Phe Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Phe
1   5   10

<210> 7
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 7
Phe Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1   5   10

<210> 8
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 8
Phe Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1   5   10

<210> 9
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 9
Phe Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1   5   10

<210> 10
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<210> 11
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
       binding motif

<400> 11
Phe Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Tyr
  1   5   10

<210> 12
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
       binding motif

<400> 12
Phe Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Tyr
  1   5   10

<210> 13
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
       binding motif

<400> 13
Phe Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Tyr
  1   5   10

<210> 14
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

```
<210> 15
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
     binding motif

<400> 15
Phe Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1               5                   10




<210> 16
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
     binding motif

<400> 16
Phe Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Trp
 1               5                   10




<210> 17
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
     binding motif

<400> 17
Phe Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1               5                   10




<210> 18
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
     binding motif

<400> 18
Phe Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Trp
```

<210> 19
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 19
Phe Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Trp
 1   5   10

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 20
Phe Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Trp
 1   5   10

<210> 21
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 21
Phe Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Trp
 1   5   10

```
<400> 22
Phe Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Trp
 1               5                   10


<210> 23
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 23
Phe Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Trp
 1               5                   10


<210> 24
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 24
Phe Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Trp
 1               5                   10


<210> 25
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 25
Phe Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1               5                   10




<212> PRT
<213> Artificial Sequence
```

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 26
Phe Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1   5   10

<210> 27
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 27
Phe Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1   5   10

<210> 28
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 28
Phe Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Phe
 1   5   10

<210> 29
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 29

```
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 30
Phe Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Phe
 1               5                   10



<210> 31
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 31
Phe Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Phe
 1               5                   10



<210> 32
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 32
Phe Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Phe
 1               5                   10



<210> 33
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
```

<210> 34
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
       binding motif

<400> 34
Tyr Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1   5   10

<210> 35
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
       binding motif

<400> 35
Tyr Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1   5   10

<210> 36
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
       binding motif

<400> 36
Tyr Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1   5   10

<210> 37
<211> 10
<212> PRT

<400> 37
Tyr Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Tyr

<210> 38
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 38
Tyr Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Tyr
  1   5   10

<210> 39
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 39
Tyr Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Tyr
  1   5   10

<210> 40
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 40
Tyr Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Tyr
  1   5   10

<210>
<223> Description of Artificial Sequence:caveolin
      binding motif

```
<400> 41
Tyr Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Trp
  1               5                   10


<210> 42
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 42
Tyr Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Trp
  1               5                   10


<210> 43
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 43
Tyr Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Trp
  1               5                   10


<210> 44
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 44
Tyr Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Trp
  1               5                   10




<212> PRT
<213> Artificial Sequence
```

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 45
Tyr Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Trp
 1   5   10

<210> 46
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 46
Tyr Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Trp
 1   5   10

<210> 47
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 47
Tyr Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Trp
 1   5   10

<210> 48
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<210> 49

```
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 49
Tyr Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1               5               10


<210> 50
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 50
Tyr Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Phe
 1               5               10


<210> 51
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 51
Tyr Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Phe
 1               5               10


<210> 52
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
```

```
<210> 53
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 53
Tyr Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Phe
 1               5                   10



<210> 54
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 54
Tyr Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Phe
 1               5                   10



<210> 55
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 55
Tyr Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Phe
 1               5                   10



<210> 56
<211> 10
<212> PRT



<400> 56
```

<210> 57
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 57
Tyr Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Tyr
  1   5   10

<210> 58
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 58
Tyr Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Trp
  1   5   10

<210> 59
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 59
Tyr Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Trp
  1   5   10

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 60
Trp Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Phe
 1   5   10

<210> 61
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 61
Trp Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1   5   10

<210> 62
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 62
Trp Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1   5   10

<210> 63
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 63
Trp Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Tyr
 1   5   10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 64
Trp Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Tyr
  1   5   10

<210> 65
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 65
Trp Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Tyr
  1   5   10

<210> 66
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 66
Trp Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Tyr
  1   5   10

<210> 67
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<210> 68
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
    binding motif

<400> 68
Trp Xaa Phe Xaa Xaa Xaa Xaa Phe Xaa Trp
  1   5   10

<210> 69
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
    binding motif

<400> 69
Trp Xaa Phe Xaa Xaa Xaa Xaa Tyr Xaa Trp
  1   5   10

<210> 70
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
    binding motif

<400> 70
Trp Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Trp
  1   5   10

<210> 71
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

```
<210> 72
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 72
Trp Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Trp
  1               5                   10




<210> 73
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 73
Trp Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Trp
  1               5                   10




<210> 74
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 74
Trp Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Trp
  1               5                   10




<210> 75
<211> 10
<212> PRT




<400> 75
```

1   5   10

<210> 76
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 76
Trp Xaa Tyr Xaa Xaa Xaa Xaa Tyr Xaa Phe
  1   5   10

<210> 77
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 77
Trp Xaa Trp Xaa Xaa Xaa Xaa Tyr Xaa Phe
  1   5   10

<210> 78
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 78
Trp Xaa Phe Xaa Xaa Xaa Xaa Trp Xaa Phe
  1   5   10

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

```
<400> 79
Trp Xaa Tyr Xaa Xaa Xaa Xaa Trp Xaa Phe
  1               5                  10


<210> 80
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 80
Trp Xaa Trp Xaa Xaa Xaa Xaa Trp Xaa Phe
  1               5                  10


<210> 81
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 81
Trp Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Phe
  1               5                  10


<210> 82
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 82
Trp Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Phe
  1               5                  10




<210> ..
<212> PRT
<213> Artificial Sequence
```

<210>

<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 83
Trp Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1   5   10

<210> 84
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 84
Trp Xaa Trp Xaa Xaa Xaa Xaa Phe Xaa Tyr
 1   5   10

<210> 85
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif

<400> 85
Trp Xaa Tyr Xaa Xaa Xaa Xaa Phe Xaa Trp
 1   5   10

<210> 86
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:caveolin
      binding motif